

6584564

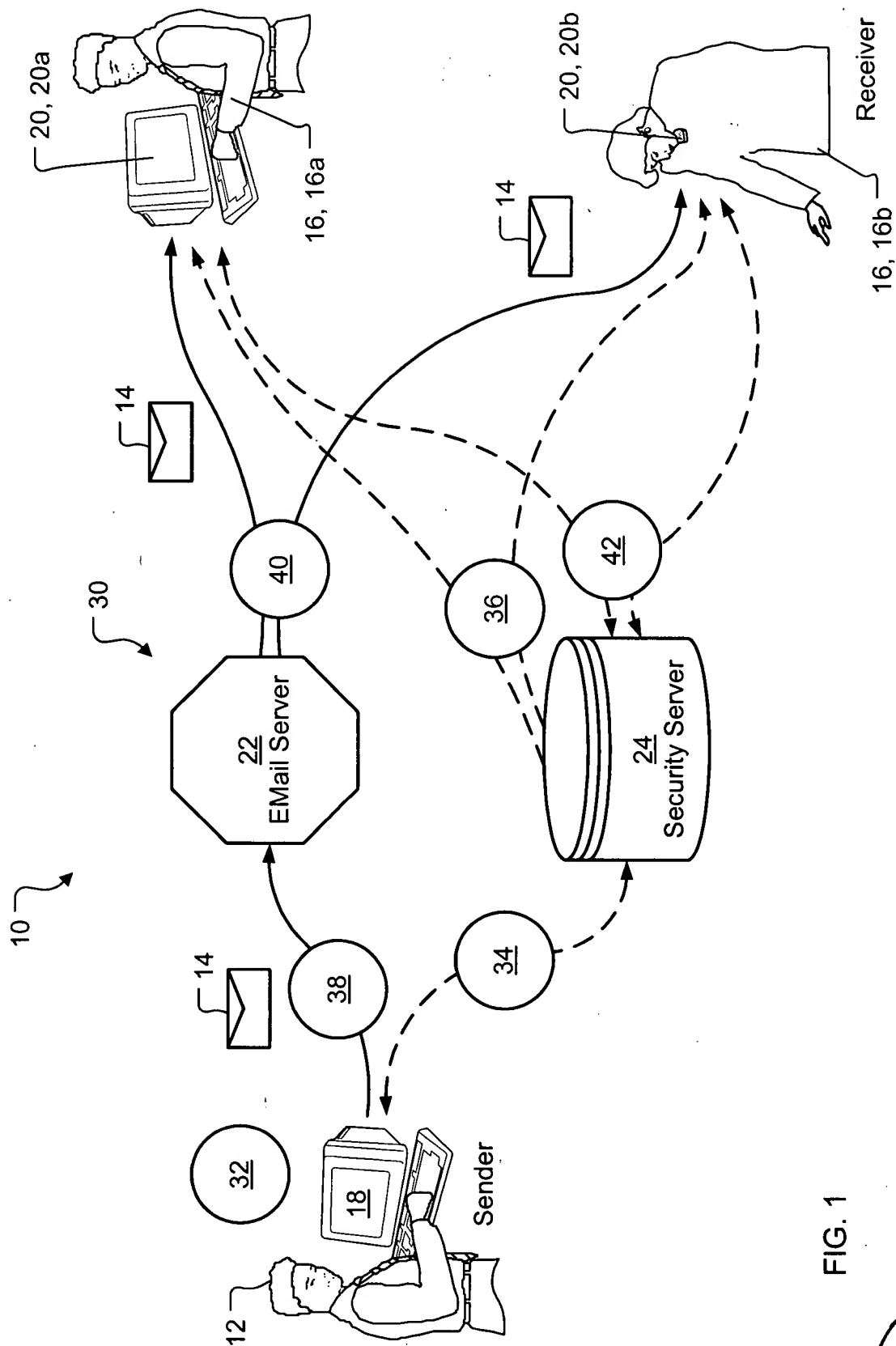
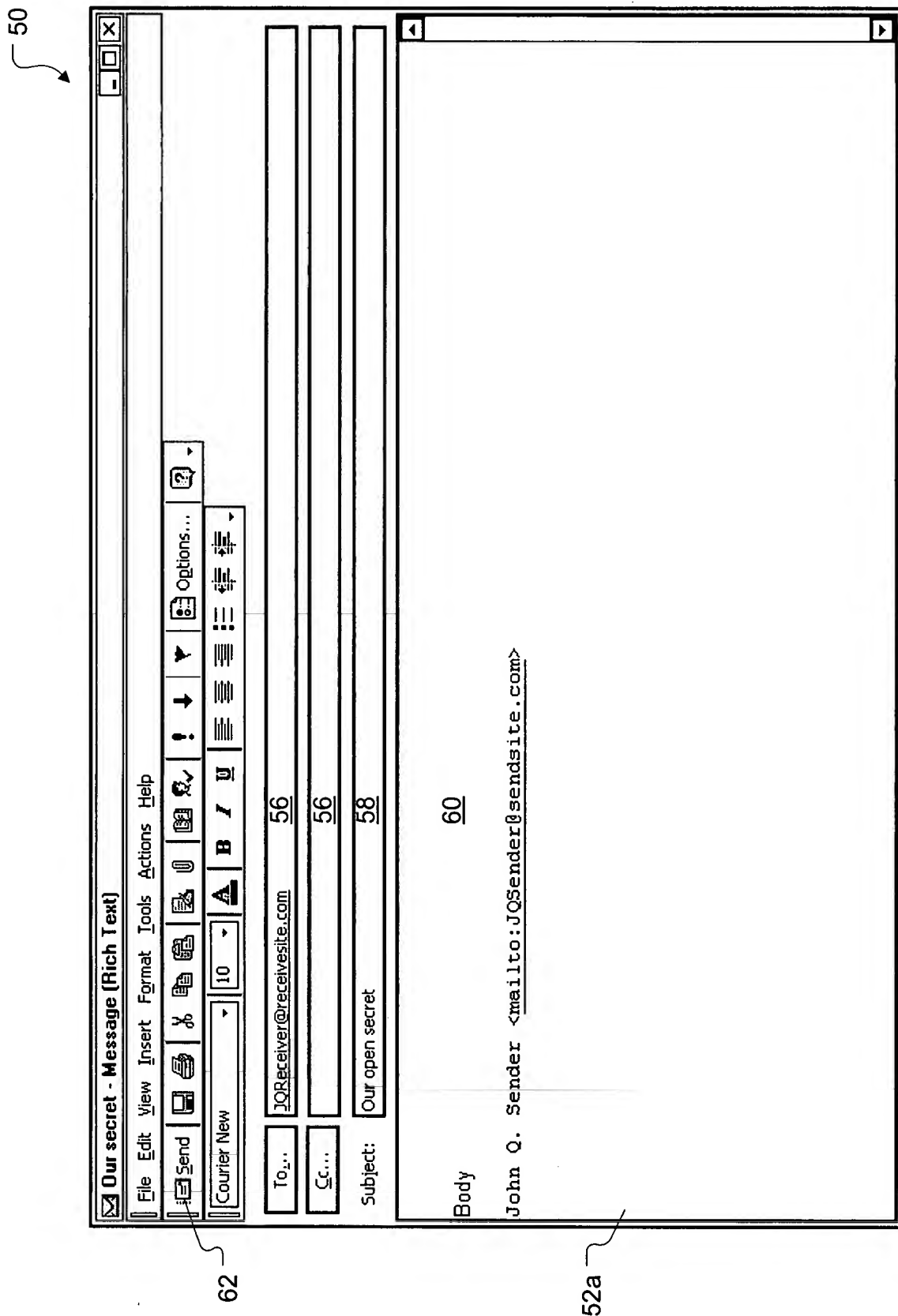


FIG. 1

15



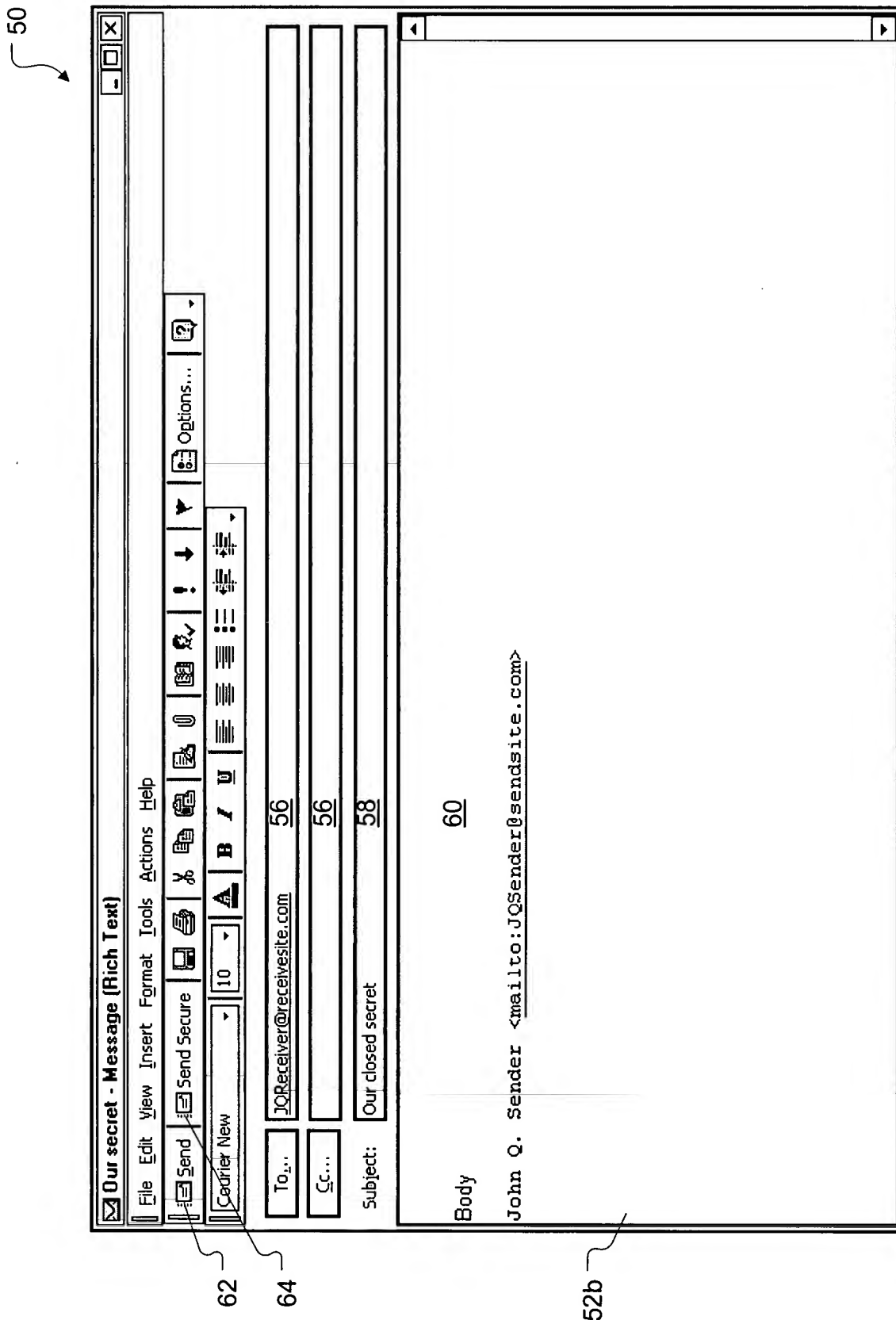
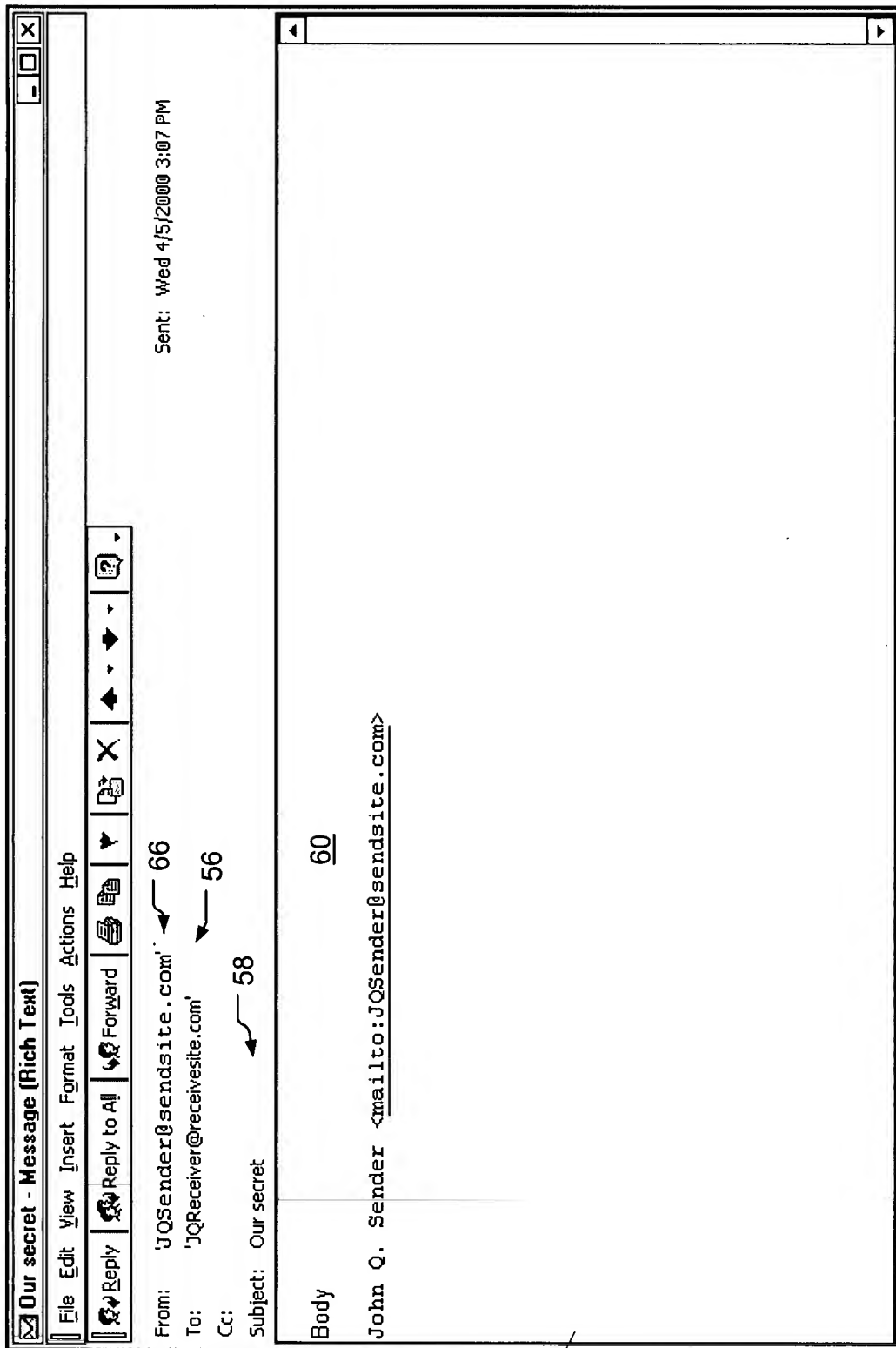


FIG. 2b

005240" T6985560

50



54

FIG. 2c

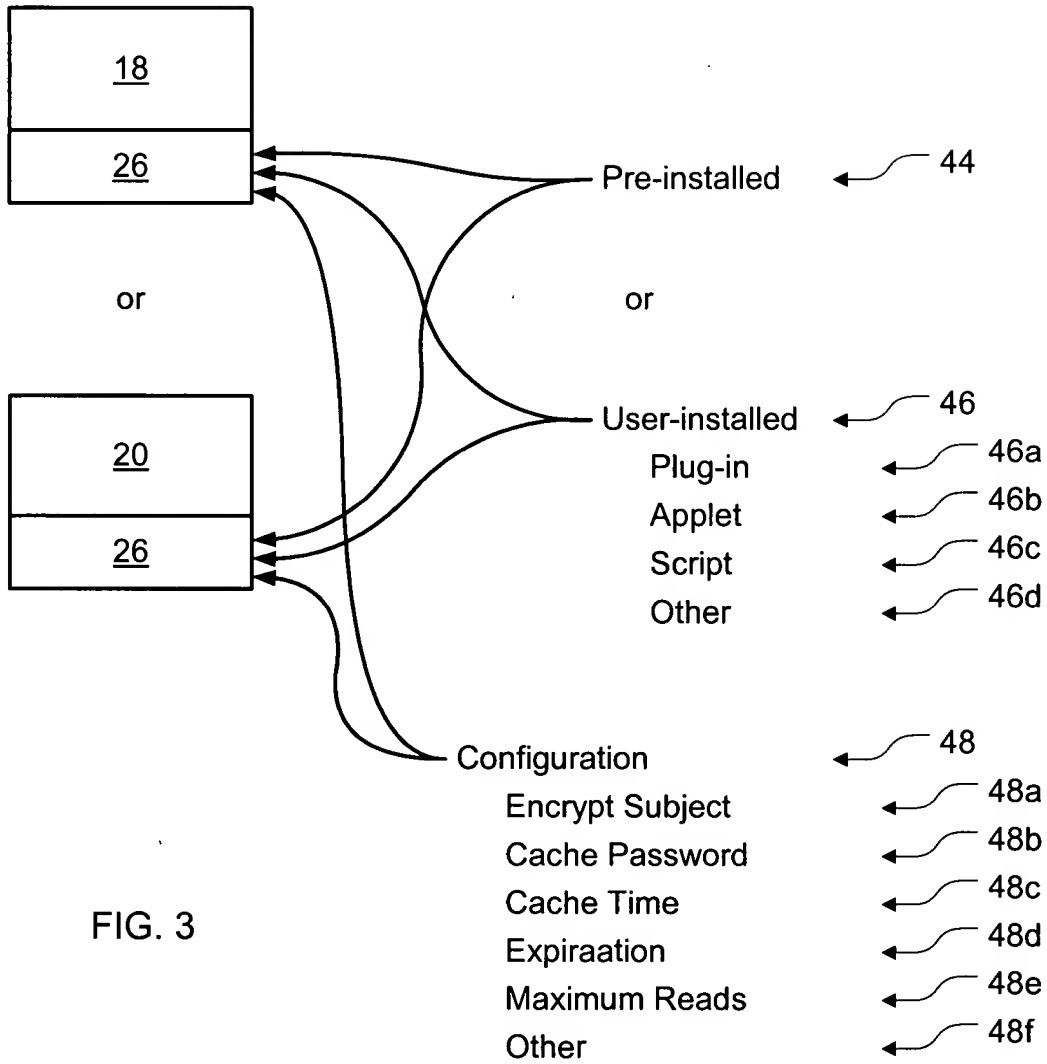


FIG. 3

005240-T6985560

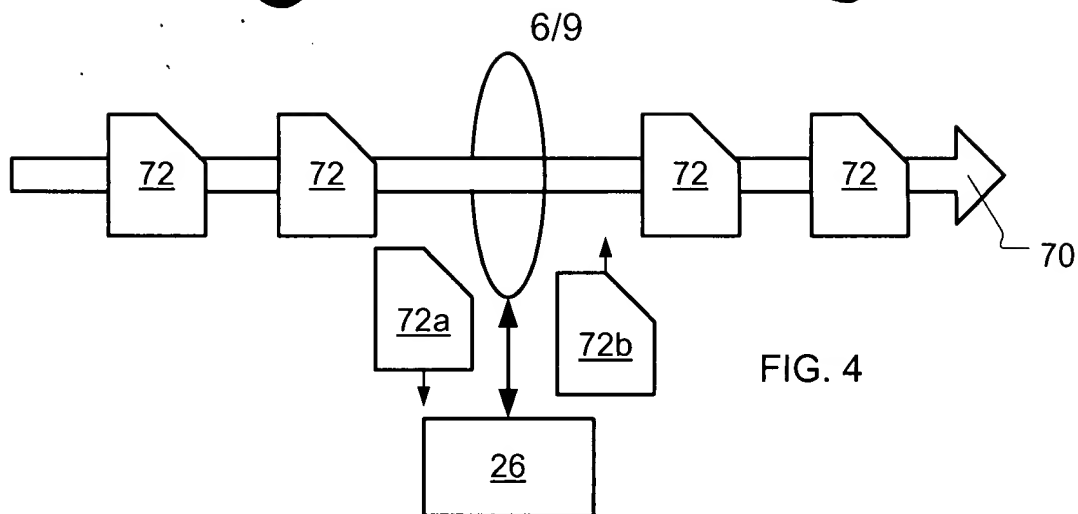


FIG. 7

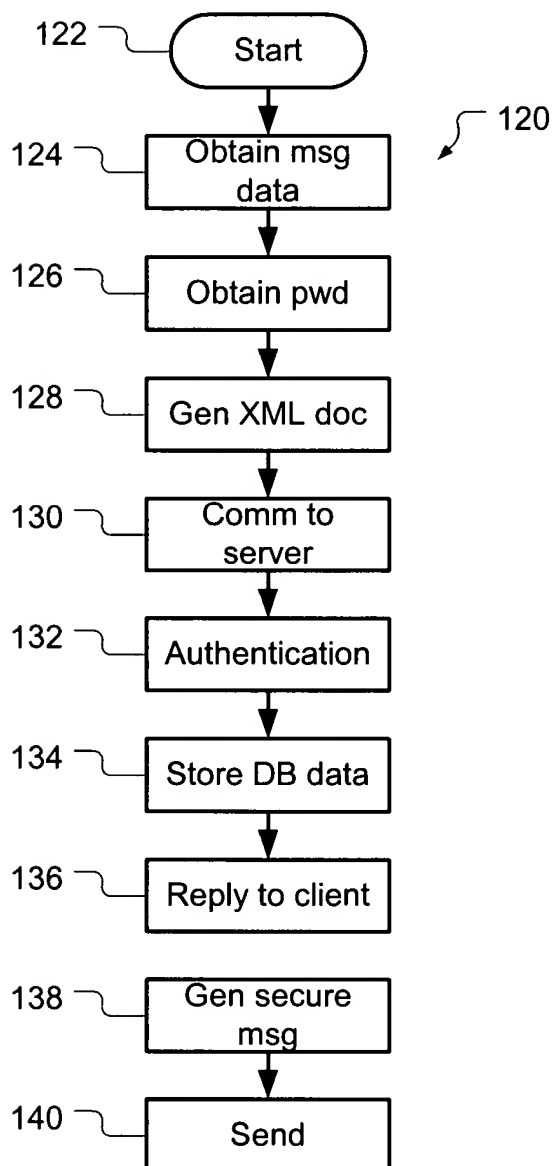
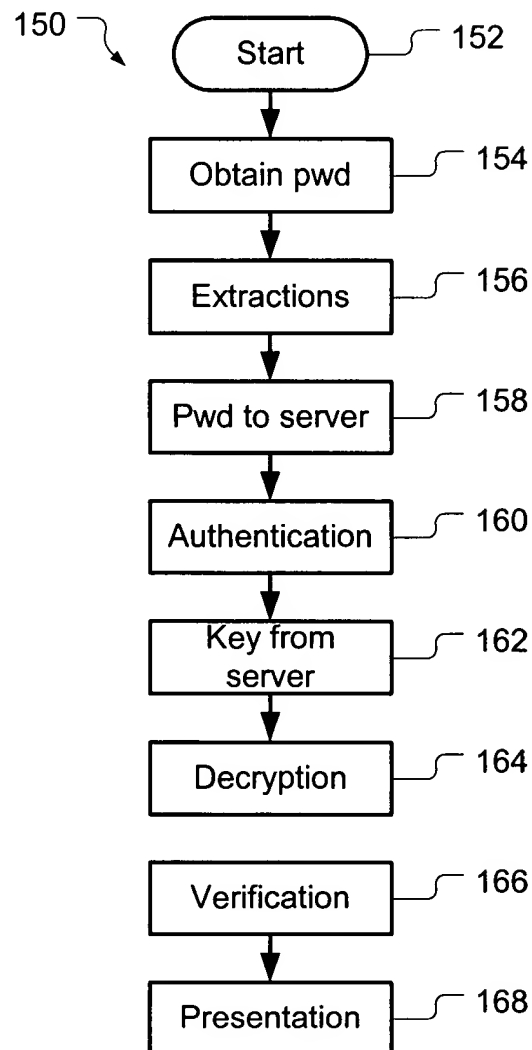


FIG. 8



005691.042560

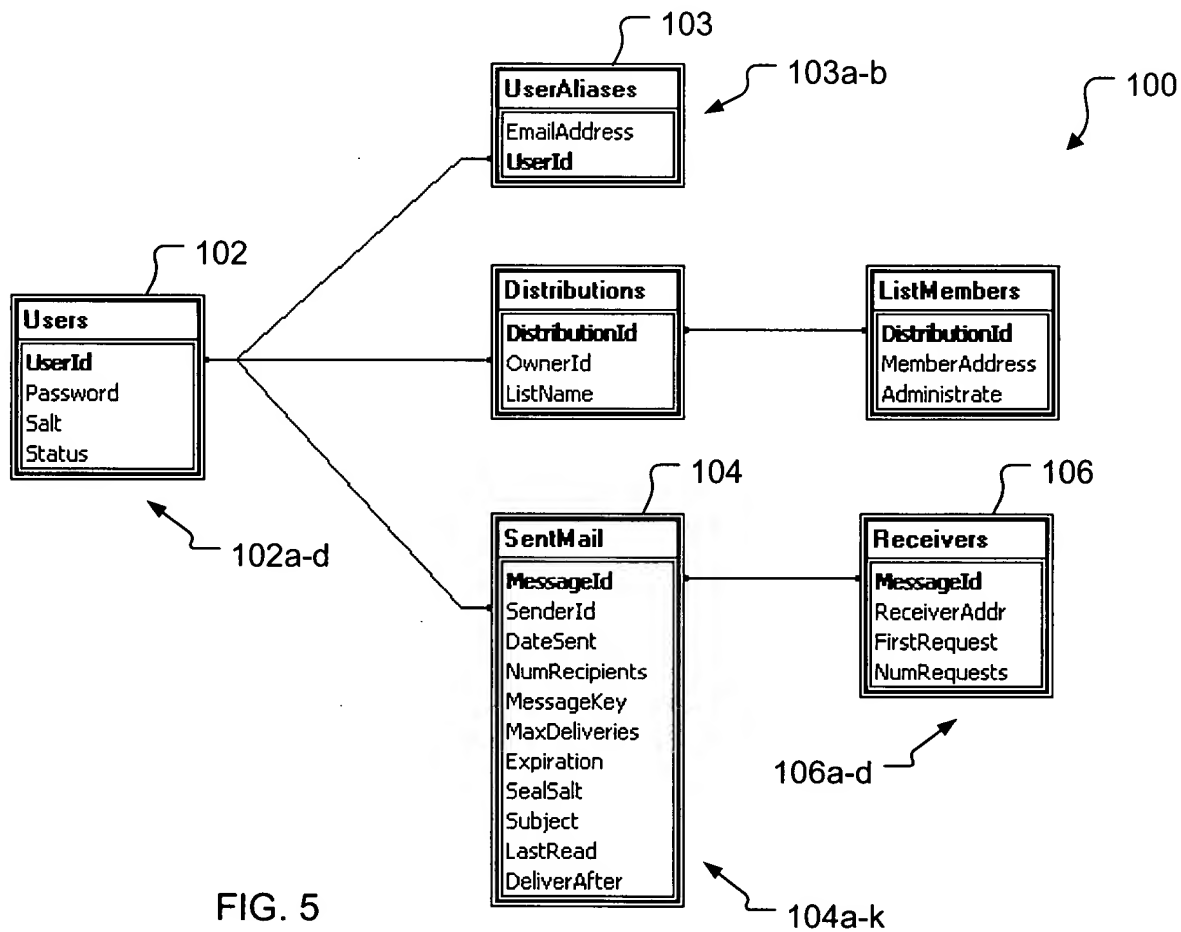


FIG. 5

FIG. 6a: Basic user information table (Users)

| Column Name | Type | Description |
|-------------|---------|--|
| UserId | integer | Internal user identifier |
| Password | raw | Hash of user's password |
| Salt | integer | Salt added to password before hash |
| Status | varchar | User's current registration/usage status |

FIG. 6b: Sent messages table (SentMail)

| Column Name | Type | Description |
|---------------|---------|--|
| MessageId | integer | Unique email identifier |
| SenderId | integer | Internal sender identifier (ref to Users) |
| DateSent | date | Time and date record entered |
| NumRecipients | integer | Number of users message was sent to |
| MessageKey | raw | Key used to encrypt/decrypt message |
| MaxDeliveries | integer | Maximum times key is delivered to each user |
| Expiration | date | Time after which message should not be delivered |
| SealSalt | integer | Secret salt added to hash to form seal |
| Subject | varchar | The subject of the message |
| LastRead | date | The date the message was last read |
| DeliverAfter | date | The date after which the message may be read |

FIG. 6c: Email destinations (Receivers)

| Column Name | Type | Description |
|--------------|---------|--|
| MessageId | integer | Email message's identifier (ref to SentMail) |
| ReceiverAddr | integer | Receiver's e-mail address |
| FirstRequest | date | Time the receiver first attempts to read |
| NumRequests | integer | Number of times receiver requested to read |

0055691.042500

FIG. 6d: Alternate user identities (UserAliases)

| Column Name | Type | Description |
|--------------|---------|---------------------------|
| EmailAddress | varchar | Alternate email address |
| UserId | integer | Reference to Users table. |

FIG. 6e: Distribution list master (Distributions)

| Column Name | Type | Description |
|----------------|---------|------------------------------------|
| DistributionId | integer | Unique list identifier |
| OwnerId | integer | User who owns list (ref to Users). |
| ListName | varchar | Email address of this list |

FIG. 6f: Distribution list members (ListMembers)

| Column Name | Type | Description |
|----------------|---------|------------------------------------|
| DistributionId | integer | Reference to Distributions |
| MemberAddress | varchar | Name of alias on the list |
| Administrated | char | Y=member can update list, N=cannot |

09553691.042500